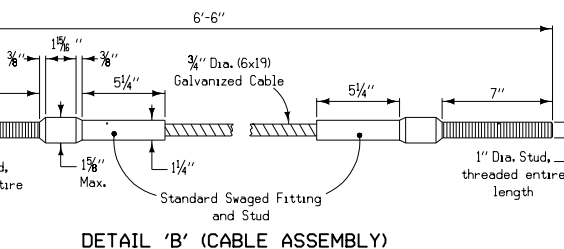
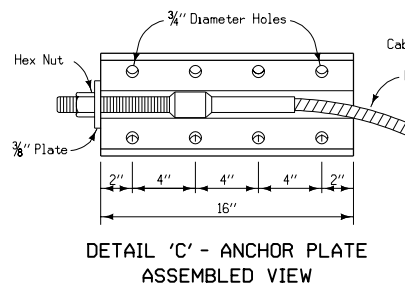


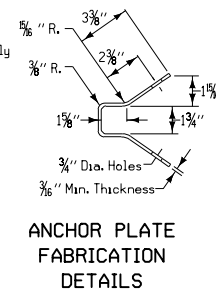
ANCHOR PLATE
END VIEW



DETAIL 'B' (CABLE ASSEMBLY)



DETAIL 'C' - ANCHOR PLATE
ASSEMBLED VIEW



ANCHOR PLATE
FABRICATION
DETAILS

GENERAL NOTES:

The details indicated hereon are for an end anchorage system for beam guardrail. The beam guardrail is part of the RE-53 End Anchorage, but are paid for separately. Refer to the guardrail tabulations and applicable Standard Road Plans for additional details regarding the location and installation of the guardrail.

Cable assembly shall have a minimum breaking strength of 20 tons.

All fittings and hardware required shall be galvanized after fabrication.

Concrete for anchor shall meet the requirements for Class 'C' Structural Concrete.

The end anchorage post tolerances shall be:

Width	Tolerance
6"	- 0 inch, + 3/8 inch
8"	- 0 inch, + 1/2 inch

Welding and fabrication shall be in accordance with Article 2408.13 except that gas, metal arc, and flux cored arc welding processes will be permitted.

The price bid for "Guardrail, End Anchorage, Beam RE-53," each, shall be considered full compensation for furnishing all materials (exclusive of beam guardrail and posts) and work necessary to construct the end anchorage as detailed hereon.

LIST OF MATERIALS FOR GUARDRAIL, END ANCHORAGES, BEAM RE-53

- 2 ea. Anchor Plate with required fasteners
- 2 ea. Cable Assembly, fabricated as shown hereon including all necessary hardware
- 2 ea. 2.375" O.D. x 8" Pipe
- 2 ea. 8" x 8" x 5/8" Steel Bearing Plates, fabricated as detailed
- 10' x 3' Wire Mesh Reinforcing Steel (Approx.)
- 3 ea. Footings, 3' Depth — 0.50 cubic yards, of Class "C" Structural Concrete
- 6 ea. Expanded Polystyrene Foam Pieces
 - 2 ea. 3/4" x 9-1/4" x 36" min.
 - 2 ea. 3/4" x 8-1/2" x 36" min.
 - 1 ea. 3/4" x 7-1/4" x 36" min.
 - 1 ea. 3/4" x 6-1/2" x 36" min.

- ① Attach 3/4" Expanded Polystyrene Foam to posts before placing concrete footing. (See Expanded Polystyrene Foam Installation Details).
- ② Place loose dirt 1" deep around post bottom to prevent bond to concrete in all three footings.
- ③ As specified in "Typical Plan" this sheet.
- ④ Steel Bearing Plate.
- ⑤ Plate washers required. For details, see Standard Road Plan RE-12A.
- ⑥ 6 X 6 6/6 Welded Wire Fabric

STANDARD ROAD PLAN	
RE-53	
REVISION: Change to 6" x 8" post from 8" x 8".	REVISION NO. 10
<i>William J. Allen</i> APPROVED BY DESIGN/METHODS ENGINEER	REVISION DATE 10-02-01
DETAILS OF 5' RADIUS BREAKAWAY END ANCHORAGE	